

AMENDMENTS TO THE CLAIMS:

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Claim 1. (Currently amended) A mobile wireless communication system comprising:

an information ~~source~~ server ~~apparatus~~ storing information;

a portable terminal for carrying out a communication with the information ~~source~~ server ~~apparatus~~ through a wireless communication line and having a buffer memory which stores ~~the~~ information transmitted from the information ~~source~~ server ~~apparatus~~;

a plurality of wireless communication gateway ~~servers~~ ~~server apparatuses~~, wherein a first specific one of the plurality of wireless communication gateway ~~servers~~ ~~server~~ ~~apparatuses~~ ~~which~~ is determined based on a ~~an informed~~ position of the portable terminal, ~~has~~ and comprises a buffer memory emulator which stores specification data representing ~~which~~ ~~represents~~ a specification of the buffer memory and ~~transmitters~~ transmits the information from the information ~~source~~ server ~~apparatus~~ to the portable terminal based on the specification data;

a switching apparatus for setting a ~~specific one~~ connection between the portable terminal and said first ~~a specific one~~ wireless communication gateway server ~~apparatus~~ and for setting ~~or~~ another connection between the portable terminal and a second ~~another~~ wireless communication gateway server ~~apparatus, which is used~~ when the communication between the portable terminal and the first specific one wireless communication gateway server ~~apparatus~~ congests; and

a wireless telephony server ~~apparatus~~ for informing the position of the portable terminal to the plurality of wireless communication gateway ~~servers~~ ~~server apparatuses~~.

Claim 2. (Currently amended) ~~The~~ A mobile wireless communication system of as claimed in claim 1, wherein the first ~~specific one~~ wireless communication gateway server apparatus requests the switching apparatus to change a connection from the ~~specific one~~ connection to said another ~~the other~~ connection based on the informed position.

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Claim 3. (Currently amended) ~~The~~ A mobile wireless communication system of as claimed in claim 1, wherein the first ~~specific one~~ wireless communication gateway server apparatus decides which of said plurality of wireless communication gateway servers comprises said second ~~the other~~ wireless communication gateway server apparatus ~~so that a new connecting destination of a connection between the one connection and the other connection is determined.~~

Claim 4. (Currently amended) ~~The~~ A mobile wireless communication system of as claimed in claim 1, wherein the first ~~specific one~~ wireless communication gateway server apparatus ~~informs to the other~~ provides to said second wireless communication gateway server apparatus the specification data which is read from the buffer memory emulator, and wherein said second ~~the other~~ wireless communication gateway server apparatus comprises a buffer memory emulator which apparatus stores the read specification data ~~in the buffer memory emulator thereof~~ and wherein said second wireless communication gateway transfers the information from the information source server apparatus to the portable terminal based on the read specification data.

Claim 5. (Currently amended) The A mobile wireless communication system of as claimed in claim 1 further comprising:

a network ~~which is~~ connected to the first ~~specific one~~ wireless communication gateway server apparatus, the second ~~another~~ wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus,

wherein the first ~~specific one~~ wireless communication gateway server, the second ~~another~~ wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus are capable of communicating ~~communicate~~ through the network.

Claim 6. (Currently amended) The A mobile wireless communication system of as claimed in claim 1 comprising:

~~an internet network which is connected to the specific one wireless communication gateway server apparatus, the another wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus,~~

wherein the first ~~specific one~~ wireless communication gateway server apparatus, the second ~~another~~ wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus are capable of communicating ~~communicate~~ through the Internet ~~internet network~~.

Claim 7. (Currently amended) The A mobile wireless communication system of as claimed in claim 1 comprising:

a satellite network ~~which is~~ connected to the first specific one wireless communication gateway server ~~apparatus~~, the second another wireless communication gateway server ~~apparatus~~, the switching apparatus and the wireless telephony server ~~apparatus~~,

wherein the first specific one wireless communication gateway server ~~apparatus~~, the second another wireless communication gateway server ~~apparatus~~, the switching apparatus and the wireless telephony server ~~apparatus~~ are capable of communicating ~~communicate~~ through the satellite network.

Claim 8. (Currently amended) A mobile wireless communication system comprising:

an information ~~source~~ server ~~apparatus~~ storing ~~stores~~ information;

a portable terminal for carrying out a communication with the information ~~source~~ server ~~apparatus~~ and having a buffer memory which stores the information transmitted from the information ~~source~~ server ~~apparatus~~;

a wireless communication gateway server ~~apparatus~~ having a buffer memory emulator which stores specification data which represents a specification of the buffer memory and having a plurality of access points, a specific one of said plurality of access points being ~~which is~~ determined based on ~~an informed~~ a position of the portable terminal, and for transferring the information from the information ~~source~~ server ~~apparatus~~ to the portable terminal based on the specification data;

a switching apparatus for setting ~~specific one~~ connection between the portable terminal and a first specific one of said plurality of access point points and for setting or another connection between the portable terminal and ~~another~~ a second of said plurality of access points point, which is used when the first one access point congests; and

a wireless telephony server ~~apparatus~~ for informing the position of the portable terminal to the wireless communication gateway server ~~apparatus~~.

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Claim 9. (Currently amended) The ~~A~~ mobile wireless communication system of ~~as~~ ~~claimed in claim 8~~, wherein the wireless communication gateway server ~~apparatus~~ requests the switching apparatus to change a connection from the ~~specific~~ one connection to the another ~~other~~ connection based on the informed position.

Claim 10. (Currently amended) The ~~A~~ mobile wireless communication system of ~~as~~ ~~claimed in claim 8~~, wherein the wireless communication gateway server ~~apparatus~~ refers to the specification data in the buffer memory emulator to access the portable terminal through the second ~~other~~ access point.

Claim 11. (Currently amended) The ~~A~~ mobile wireless communication system of ~~as~~ ~~claimed in claim 8~~ further comprising:

a network ~~which is~~ connected to the wireless communication gateway server ~~apparatus~~, the switching apparatus and the wireless telephony server ~~apparatus~~,

wherein the wireless communication gateway server ~~apparatus~~, the switching apparatus and the wireless telephony server ~~apparatus~~ are capable of communicating ~~communicate~~ through the network.

Claim 12. (Currently amended) The ~~A~~ mobile wireless communication system of ~~as~~ ~~claimed in claim 8~~ comprising:

~~an internet network which is connected to the wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus,~~

wherein the wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus are capable of communicating communicate through the Internet internet network.

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Claim 13. (Currently amended) The A mobile wireless communication system of as claimed in claim 8 further comprising:

a satellite network ~~which is connected to the wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus,~~

wherein the wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus are capable of communicating communicate through the satellite network.

Claim 14. (Currently amended) A method for operating a mobile wireless communication system comprising:

storing a specification data which represents a specification of a buffer memory of a portable terminal in a buffer memory emulator of ~~specific one~~ a first wireless communication gateway server apparatus when the portable terminal is connected to ~~the specific one~~ said first wireless communication gateway server apparatus;

changing from ~~specific~~ one connection between the portable terminal and said first wireless communication gateway server apparatus to another connection between the portable terminal and ~~one of another~~ a second wireless communication gateway server apparatus;

~~which is used when said first the specific one wireless communication gateway server apparatus has a congestion; and~~

~~transferring the specification data from said first the specific one wireless communication gateway server apparatus to the another said second wireless communication gateway server apparatus when the other connection is set.~~

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Claim 15. (Currently amended) The A method for operating a mobile wireless communication system of as claimed in claim 14 further comprising:

informing a position of the portable terminal from a wireless telephony server apparatus to said first the specific one wireless communication gateway server apparatus; and

~~requesting a sending a request to change from said a specific one connection to said another the other connection to a switching apparatus which sets a connection for the portable terminal based on the informed position.~~

Claim 16. (Currently amended) The A method for operating a mobile wireless communication system of as claimed in claim 14 comprising: ~~communicating of wherein communication between said first the specific one wireless communication gateway server apparatus, said second another wireless communication gateway server apparatus, the another the switching apparatus and the wireless telephony server apparatus is through a network.~~

Claim 17. (Currently amended) The A method for operating a mobile wireless communication system of as claimed in claim 14 comprising: ~~communicating of wherein communication between said first the specific one wireless communication gateway server~~

apparatus, said second ~~another~~ wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus is through the Internet an internet network.

Claim 18. (Currently amended) The ~~A~~ method for operating a mobile wireless communication system of ~~as claimed in claim 14 comprising: communicating of wherein~~ communication between said first ~~the specific one~~ wireless communication gateway server apparatus, said second ~~another~~ wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus is through a satellite network.

Claim 19. (Currently amended) A method ~~for~~ of operating a mobile wireless communication system comprising:

changing from ~~specific~~ one connection between a ~~the~~ portable terminal and one access point of a wireless communication gateway server apparatus to another connection between the portable terminal and another access point of the wireless communication gateway server apparatus, ~~which is used~~ when the wireless communication gateway server apparatus has a congestion, wherein said wireless communication gateway server converts a protocol between the portable terminal and an information server on a network.

Claim 20. (Currently amended) The ~~A~~ method ~~for~~ of operating a mobile wireless communication system of ~~as claimed in claim 19~~ further comprising:

informing a position of the portable terminal from a wireless telephony server apparatus to the wireless communication gateway server apparatus; and
~~requesting a~~ sending a request to change from said a specific one connection to the other connection to a switching apparatus which sets a connection for the portable terminal based on the informed position.

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Claim 21. (Currently amended) The A method for of operating a mobile wireless communication system of as claimed in claim 19 wherein comprising: communicating the wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus communicate through a network.

Claim 22. (Currently amended) The A method for of operating a mobile wireless communication system of as claimed in claim 19 wherein comprising: communicating the wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus communicate through the Internet an internet network.

Claim 23. (Currently amended) The A method for of operating a mobile wireless communication system of as claimed in claim 19 wherein comprising: communicating the wireless communication gateway server apparatus, the switching apparatus and the wireless telephony server apparatus communicate through a satellite network.

Claim 24. (Currently amended) A wireless communication gateway server apparatus comprising:

a buffer memory emulator for storing a specification data which represents a specification of a buffer memory of a portable terminal,

wherein ~~changing specific one connection with the portable terminal to another connection between the portable terminal and another wireless communication gateway server apparatus, which is used when a congestion of the specific one connection is happened; and~~

transferring said apparatus transfers the specification data in the buffer memory to the another wireless communication gateway server apparatus when a connection with a portable terminal is congested and when another connection between said portable terminal and said another wireless communication gateway server is established.

Claim 25. (Currently amended) The A wireless communication gateway server apparatus of as claimed in claim 24, wherein said wireless communication gateway server sends a request to a requesting to the switching apparatus to change the which sets a connection with for the portable terminal a change from the specific one connection to the another other connection based on a position data of the portable terminal.

Claim 26. (Currently amended) The A wireless communication gateway server apparatus of as claimed in claim 24 further comprising, a plurality of access points, wherein a specific one of the plurality of access points which is determined based on an informed position of the portable terminal,

wherein said wireless communication gateway server sends a request to a requesting to the switching apparatus to change the which sets a connection with for the portable

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terminal ~~a change from the specific one connection of said the specific one~~ access point to
another connection of another access point based on the position of the portable terminal.
